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Sequence Listing could not be accepted due to errors.

See attached Validation Report.

If you need help call the Patent Electronic Business Center at (866) 217-9197 (toll free).

Reviewer: markspencer

Timestamp: [year=2008; month=6; day=16; hr=8; min=38; sec=56; ms=608; ]

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\*\*\*\*\*

Reviewer Comments:

<210> 21

<211> 39

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic 5' end of Primer typeA\_oligo with spacer element

<220>

<221> modified\_base

<222> (43)..(43)

<223> n is c modified through a 3' phosphodiester bond by 6 abasic nucleotides linked through a phosphodiester bond to the 5' end of SEQ ID NO:30

<400> 21

cgtcagctcg aattctccat atatgcagcg atagcgatn

39

The "n" in SEQ ID # 21 is located at position 39 not 43. Please make all necessary changes.

\*\*\*\*\*

Application No: 10507140

Version No: 3.0

Input Set:

Output Set:

Started: 2008-05-19 18:29:24.489

Finished: 2008-05-19 18:29:38.660

Elapsed: 0 hr(s) 0 min(s) 14 sec(s) 171 ms

Total Warnings: 27

Total Errors: 1

No. of SeqIDs Defined: 27

Actual SeqID Count: 27

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (1)
W 213	Artificial or Unknown found in <213> in SEQ ID (2)
W 213	Artificial or Unknown found in <213> in SEQ ID (3)
W 213	Artificial or Unknown found in <213> in SEQ ID (4)
W 213	Artificial or Unknown found in <213> in SEQ ID (5)
W 213	Artificial or Unknown found in <213> in SEQ ID (6)
W 213	Artificial or Unknown found in <213> in SEQ ID (7)
W 213	Artificial or Unknown found in <213> in SEQ ID (8)
W 213	Artificial or Unknown found in <213> in SEQ ID (9)
W 213	Artificial or Unknown found in <213> in SEQ ID (10)
W 213	Artificial or Unknown found in <213> in SEQ ID (11)
W 213	Artificial or Unknown found in <213> in SEQ ID (12)
W 213	Artificial or Unknown found in <213> in SEQ ID (13)
W 213	Artificial or Unknown found in <213> in SEQ ID (14)
W 213	Artificial or Unknown found in <213> in SEQ ID (15)
W 213	Artificial or Unknown found in <213> in SEQ ID (16)
W 213	Artificial or Unknown found in <213> in SEQ ID (17)
W 213	Artificial or Unknown found in <213> in SEQ ID (18)
W 213	Artificial or Unknown found in <213> in SEQ ID (19)
W 213	Artificial or Unknown found in <213> in SEQ ID (20)

**Input Set:**

**Output Set:**

**Started:** 2008-05-19 18:29:24.489  
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**No. of SeqIDs Defined:** 27  
**Actual SeqID Count:** 27

Error code

Error Description

This error has occurred more than 20 times, will not be displayed

E 342

'n' position not defined found at POS: 39 SEQID(21)

# SEQUENCE LISTING

<110> Neri, Dario  
Melkko, Samu

<120> Encoded self-Assembling Chemical libraries (ESACHEL)

<130> 080058-005920US

<140> 10507140

<141> 2005-09-19

<150> WO PCT/EP02/04153

<151> 2002-04-15

<150> US 60/362,599

<151> 2002-03-08

<160> 27

<170> PatentIn version 3.5

<210> 1

<211> 60

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Primer L19VH\_Eco\_fo

<400> 1

tttcacacag aattcattaa agaggagaaa ttaactatgg aggtgcagct gttggagtct 60

<210> 2

<211> 66

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Primer L19VH\_Hind\_ba

<400> 2

tcaatctgat taagcttagt gatggtgatg gtgatgacat ccaccactcg agacggtgac 60

cagggt 66

<210> 3

<211> 63

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Primer L19VL\_Eco\_fo

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<210> 4  
 <211> 69  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Synthetic Primer L19VL\_Hind\_ba

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 ggcccttg 69

<210> 5  
 <211> 60  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Synthetic Primer HH10VH\_Eco\_fo

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 <211> 66  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Synthetic Primer HH10VH\_Hind\_ba

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 cagagt 66

<210> 7  
 <211> 63  
 <212> DNA  
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<220>  
 <223> Synthetic Primer HH10VL\_Eco\_fo

<400> 7  
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cca 63

<210> 8  
<211> 69  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Synthetic Primer HH10VL\_Hind\_ba

<400> 8  
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gggtccccc 69

<210> 9  
<211> 48  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Synthetic Primer L19\_5SH with 5'-thiol

<220>  
<221> modified\_base  
<222> (1)..(1)  
<223> n is g modified by a thiol group

<400> 9  
ngagcttctg aattctgtgt gctgcataat cgacacgaat tccgcagc 48

<210> 10  
<211> 48  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Synthetic Primer L19\_3SH with 3'-thiol

<220>  
<221> modified\_base  
<222> (48)..(48)  
<223> n is c modified by a thiol group

<400> 10  
tcgcgagggg aattcgatcat atatcagcac acagaattca gaagctcn 48

<210> 11  
<211> 48  
<212> DNA  
<213> Artificial Sequence

<220>

<223> Synthetic Primer HyHel10\_5SH with 5'-thiol

<220>

<221> modified\_base

<222> (1)..(1)

<223> n is g modified by a thiol group

<400> 11

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48

<210> 12

<211> 48

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Primer HyHel10\_3SH with 3'-thiol

<220>

<221> modified\_base

<222> (48)..(48)

<223> n is c modified by a thiol group

<400> 12

tcgcgagggg aattcgatcat agggcagcac acagaattca gaagctcn

48

<210> 13

<211> 48

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Primer GST\_5SH with 5'-thiol

<220>

<221> modified\_base

<222> (1)..(1)

<223> n is g modified by a thiol group

<400> 13

ngagcttctg aattctgtgt gctgctgagg cgacacgaat tccgcagc

48

<210> 14

<211> 48

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Primer GST\_3SH with 3'-thiol

<220>

<221> modified\_base

<222> (48)..(48)

<223> n is g modified by a thiol group

<400> 14	
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<210> 15	
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<223> Synthetic Primer 1AB_PCRfo	
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<211> 18	
<212> DNA	
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<220>	
<223> Synthetic Primer 1APCRba	
<400> 16	
gctgcggaat tcgtgtcg	18
<210> 17	
<211> 18	
<212> DNA	
<213> Artificial Sequence	
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<223> Synthetic Primer 1B_PCRba	
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tcgcgagggg aattcgtc	18
<210> 18	
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<212> DNA	
<213> Artificial Sequence	
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<223> Synthetic Primer with 5' sequence acting as a code for sub-library A	
<220>	
<221> misc_feature	
<222> (1)..(5)	
<223> n is a, c, g, or t	
<400> 18	
nnnnncagca cacagaattc agaagctcc	29



<210> 19  
 <211> 29  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> Synthetic Primer with 3' sequence acting as a code for  
 sub-library B  
  
 <220>  
 <221> misc\_feature  
 <222> (25)..(29)  
 <223> n is a, c, g, or t  
  
 <400> 19  
 ggagcttctg aattctgtgt gctgnnnnn 29  
  
 <210> 20  
 <211> 39  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> Synthetic Primer typeB\_oligo  
  
 <400> 20  
 gcataccgga attcccagca taatgatcgc tatcgctgc 39  
  
 <210> 21  
 <211> 39  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> Synthetic 5' end of Primer typeA\_oligo with spacer element  
  
 <220>  
 <221> modified\_base  
 <222> (43)..(43)  
 <223> n is c modified through a 3' phosphodiester bond by 6 abasic  
 nucleotides linked through a phosphodiester bond to the 5' end of  
 SEQ ID NO:30  
  
 <400> 21  
 cgtcagctcg aattctccat atatgcagcg atagcgatn 39  
  
 <210> 22  
 <211> 18  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>

<223> Synthetic Primer CodeABfo

<400> 22

gcataccgga attcccag

18

<210> 23

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Primer CodeABba

<400> 23

cgtcagctcg aattctcc

18

<210> 24

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Primer linked to primer by a biotinylated base analog  
with 5' sequence specific for a chemical moiety

<220>

<221> misc\_feature

<222> (1)..(1)

<223> n = biotinylated base analog modified by an oligonucleotide  
of undefined length

<400> 24

ncagcacaca gaattcagaa gctcc

25

<210> 25

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence at the C-terminus of products subcloned into  
pQE12

<400> 25

Gly Gly Cys His His His His His His

1

5

<210> 26

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic 3' end of Primer typeA\_oligo with spacer element

<220>

<221> modified\_base

<222> (1)..(1)

<223> n is c modified through a 5' phosphodiester bond by 6 abasic  
nucleotides linked through a phosphodiester bond to the 3' end of  
SEQ ID NO:21

<400> 26

ntgggaattc cggatatgc

18

<210> 27

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Primer linked to primer by a biotinylated base analog  
with 5' sequence specific for a chemical moiety

<400> 27

cagcacacag aattcagaag ctcc

24